

IN THE CLAIMS

Please cancel Claims 1-19 and 28-30, and insert new
Claims 31-44 as follows:

31. A method of identifying an organic or an inorganic molecule that binds specifically to a site on a MN protein, to which vertebrate cells adhere in a cell adhesion assay, comprising testing organic and inorganic molecules in a cell adhesion assay, and identifying molecules that inhibit the adhesion of vertebrate cells to said MN protein as specifically binding to said site.

32. The method of Claim 31 wherein said molecule is organic.

33. The method of Claim 31 wherein said molecule is inorganic.

34. The method of Claim 32 wherein said molecule is a protein or a polypeptide.

35. The method of Claim 34 wherein said protein or polypeptide comprises an amino acid sequence selected from the group consisting of SEQ ID NOS: 107, 108, 109, 137 and 138.

36. The method of Claim 32 wherein said polypeptide is selected from the group consisting of SEQ ID NOS: 107, 108, 109, 137 and 138.

37. The method of Claim 31 wherein said organic or inorganic molecule, when in contact with a vertebrate preneoplastic or neoplastic cell that abnormally expresses MN protein, inhibits the growth of said cell.

38. The method of Claim 31 wherein the site on the MN protein to which said vertebrate cells adhere in said cell adhesion assay is within the proteoglycan-like domain or within the carbonic anhydrase domain of the MN protein.

39. The method of Claim 31 wherein the site on the MN protein comprises an amino acid sequence selected from the group consisting of SEQ ID NOS: 10 and 97-106.

40. The method of Claim 31 wherein the site on the MN protein comprises an amino acid sequence selected from the group consisting of SEQ ID NOS: 10 and 97-106.